Author index

Abbott, U., see Lien, Y.-H. (1034) 318
Abidor, I.G., see Sukharev, S.I. (1034) 125
Acher, F., see Soute, B.A.M. (1034) 11
Adamik, R., see Noda, M. (1034) 195
Adler, L., see Nilsson, A. (1034) 180
Akiyama, S.-i., see Yoshimura, A. (1034) 107
Allen, L.-A.H., see Morand, O.H. (1034) 132
Arnez, J.G., see Ito, M. (1034) 213
Asch, B.B., see Asch, H.L. (1034) 303
Asch, H.L., Mayhew, E., Lazo, R.O. and Asch, B.B.
Lipids noncovalently associated with keratins and other cytoskeletal proteins of mouse mammary epithelial cells in primary culture (1034) 303
Ashley, C.C., see Fenton, M.J. (1034) 186
Atsmon, A., see Mamet, R. (1034) 148
Azerad, R., see Soute, B.A.M. (1034) 11

Bailey, G.S., see El-Thaher, T.S. (1034) 157
Bandrina, I.N., see Sukharev, S.I. (1034) 125
Banerjee, R.K.
Nonsteroidal anti-inflammatory drugs inhibit gastric peroxidase activity (1034) 275
Banijamali, A.R., see Lebrun, E. (1034) 81
Barbul, A.I., see Sukharev, S.I. (1034) 125
Bardocz, S., Brown, D.S., Grant, G. and Pusztai, A.
Luminal and basolateral polyamine uptake by rat small intestine stimulated to grow by *Phaseolus vulgaris* lectin phytohaemagglutinin in vivo (1034) 46
Bass, N.M., see Brandes, R. (1034) 53
Becker, E.L., see Toniolo, C. (1034) 67
Becker, F.F., see Burt, J.P.H. (1034) 93
Belknap, J.K., see Laursen, S.E. (1034) 118
Bomstein, Y., see Mamet, R. (1034) 148
Bottiglieri, T., see Deacon, R. (1034) 342
Bourre, J.M., see Domanska-Janik, K. (1034) 200
Brandes, R., Kaikaus, R.M., Lysenko, N., Ockner, R.K. and Bass, N.M.
Induction of fatty acid binding protein by peroxisome proliferators in primary hepatocyte cultures and its relationship to the induction of peroxisomal β-oxidation (1034) 53
Brown, D.S., see Bardocz, S. (1034) 46
Brunori, M., see Zamponi, S. (1034) 294
Buitenhuis, H.C., Soute, B.A.M. and Vermeer, C.
Comparison of the vitamins K_1, K_2 and K_3 as cofactors for the hepatic vitamin K-dependent carboxylase (1034) 170
Burt, J.P.H., Pethig, R., Gascoyne, P.R.C. and Becker, F.F.
Dielectrophoretic characterisation of Friend murine erythroleukaemic cells as a measure of induced differentiation (1034) 93

Cederbaum, A.I., see Clejan, L.A. (1034) 233
Chanarin, I., see Deacon, R. (1034) 342
Chatterjee, B., Mancini, M.A. and Roy, A.K.
The senescence marker protein (SMP-2) of the rat liver: purification, immunochemical characterization and age-dependent regulation (1034) 162
Chersi, A., Sezzi, M.L., Romano, T.F., Evangelista, M. and Nista, A.
Preparation and utilization of fluorescent synthetic peptides (1034) 333
Chiba, S., see Kawagishi, H. (1034) 247
Clejan, L.A. and Cederbaum, A.I.
Oxidation of pyrazole by reconstituted systems containing cytochrome *P*-450 IIE1 (1034) 233
Crisma, M., see Toniolo, C. (1034) 67

Deacon, R., Bottiglieri, T., Chanarin, I., Lumb, M. and Perry, J.
Methylthioadenosine serves as a single carbon source to the folate co-enzyme pool in rat bone marrow cells (1034) 342
Di Lisa, F., see Siliprandi, N. (1034) 17
Domanska-Janik, K. and Bourre, J.M.
Effect of lipid peroxidation on Na^+, K^+-ATPase, 5′-nucleotidase and CNPase in mouse brain myelin (1034) 200

Eid, P. and Mogensen, K.
Detergent extraction of the human alpha-beta interferon receptor: a soluble form capable of binding interferon (1034) 114
El-Thaher, T.S., Saed, G.M. and Bailey, G.S.
A simple and rapid purification of kallikrein from rat submandibular gland (1034) 157
Evangelista, M., see Chersi, A. (1034) 333

Falkenberg, P. and Strøm, A.R.
Purification and characterization of osmoregulatory betaine aldehyde dehydrogenase of *Escherichia coli* (1034) 253
Fedorova, L.I., see Sukharev, S.I. (1034) 125
Fenton, M.J., Lea, T.J. and Ashley, C.C.
Rapid activation by photolysis of nitr-5 in skinned fibres of the striated adductor muscle from the scallop (1034) 186
Finocchiaro, G., see Ito, M. (1034) 213
Foye, W.O., see Lebrun, E. (1034) 81
Freer, R.J., see Toniolo, C. (1034) 67
Frost, S.J. and Weigel, P.H.
Binding of hyaluronic acid to mammalian fibrinogens (1034) 39
Fu, J., see Lien, Y.-H. (1034) 318
Furukawa, T., see Yoshimura, A. (1034) 107

Gasa, S., see Ohkubo, I. (1034) 152
Gascoyne, P.R.C., see Burt, J.P.H. (1034) 93
Ghazarian, J.G., see Mandel, M.L. (1034) 239
Giamberardino, M.A., see Siliprandi, N. (1034) 17
Gore, J.Z., see Smith, R.C. (1034) 263
Grant, G., see Bardocz, S. (1034) 46
Grisolía, S., see Vargas, J.L. (1034) 268

Handley, C.J., see Hey, N.J. (1034) 73
Hendriks, D., Wang, W., Scharpé, S., Lommaert, M.-P. and Van Sande, M.
Purification and characterization of a new arginine carboxypeptidase in human serum (1034) 86
Hernández-Yago, J., see Vargas, J.L. (1034) 268
Hey, N.J., Handley, C.J., Ng, C.K. and Oakes, B.W.
Characterization and synthesis of macromolecules by adult collateral ligament (1034) 73

Iannone, A., Tomasi, A., Vannini, V. and Swartz, H.M.
Metabolism of nitroxide spin labels in subcellular fraction of rat liver. I. Reduction by microsomes (1034) 285
Iannone, A., Tomasi, A., Vannini, V. and Swartz, H.M.
Metabolism of nitroxide spin labels in subcellular fractions of rat liver. II. Reduction in the cytosol (1034) 290

Ikeda, Y., see Ito, M. (1034) 213
Ito, M., Ikeda, Y., Arnez, J.G., Finocchiaro, G. and Tanaka, K. (1034) 213
Itoh, H., see Kobayashi, R. (1034) 4

Jennings, G.T., Sadleir, J.W. and Stevenson, P.M.
Purification and properties of $NADP^+$-dependent isocitrate dehydrogenase from the corpus luteum (1034) 219

Kaikaus, R.M., see Brandes, R. (1034) 53
Kammer, H., see Wempe, F. (1034) 260
Kanda, Y., Yamamoto, N. and Yoshino, Y.
Utilization of vitamin A in rats with inflammation (1034) 337
Kapp, E.A. and Whiteley, C.G.
An improved procedure for the isolation and purification of nicotinic acetylcholine receptor from *Torpedo fuscomaculata* electric organ (1034) 29
Kawagishi, H., Nomura, A., Mizuno, T., Kimura, A. and Chiba, S.
Isolation and characterization of a lectin from *Grifola frondosa* fruiting bodies (1034) 247
Kawakishi, S., see Uchida, K. (1034) 347
Kimura, A., see Kawagishi, H. (1034) 247
Knecht, E., see Vargas, J.L. (1034) 268
Knull, H.R., see Laursen, S.E. (1034) 118
Kobayashi, R., Tashima, Y., Ohta, A., Nakayama, R., Ohsaka, Y., Itoh, H., Wakizaka, A., Sakai, F. and Sakuragi, S.
Isolation and characterization of three distinct 34 kDa EDTA-extractable proteins from bovine lens (1034) 4
Kozaki, S., see Sugii, S. (1034) 176
Krauhs, E., see Wempe, F. (1034) 260
Kuwazuru, Y., see Yoshimura, A. (1034) 107

Lanks, K.W.
Inhibition of glucose-regulated and heat shock protein induction by low temperature (1034) 62
Laursen, S.E., Belknap, J.K., Sampson, K.E. and Knull, H.R.
Hexokinase redistribution in vivo (1034) 118
Lazo, R.O., see Asch, H.L. (1034) 303
Lea, T.J., see Fenton, M.J. (1034) 186
Lebrun, E., Tu, Y., Van Rapenbusch, R., Banijamali, A.R. and Foye, W.O.
Inhibition of bovine dihydrofolate reductase and enhancement of methotrexate sensitivity by N^4-(2-acetoxyethoxymethyl)-2-acetylpyridine thiosemicarbazone (1034) 81
Liang, C.T., see Takamoto, S. (1034) 22
Lien, Y.-H., Fu, J., Rucker, R.B., Scheck, M., Abbott, U. and Stern, R.
Collagen, proteoglycan and hyaluronidase activity in cultures from normal and scoliotic chicken fibroblasts (1034) 318
Lommaert, M.-P., see Hendriks, D. (1034) 86
Lumb, M., see Deacon, R. (1034) 342
Lysenko, N., see Brandes, R. (1034) 53

Maccari, F., see Siliprandi, N. (1034) 17
Maffe, W., see Rooney, R.D. (1034) 102
Mamet, R., Mevasser, R., Bomstein, Y., Atsmon, A. and Schoenfeld, N.
L-Alanine:4,5-dioxovalerate transaminase does not regulate heme synthesis in rat liver (1034) 148
Mancini, M.A., see Chatterjee, B. (1034) 162
Mandel, M.L., Swartz, S.J. and Ghazarian, J.G.
Avian kidney mitochondrial hemeprotein $P\text{-}450_{1a}$: isolation, characterization and NADPH-ferredoxin reductase-dependent activity (1034) 239
Manthey, M.K., Pyne, S.G. and Truscott, R.J.W.
Mechanism of reaction of 3-hydroxyanthranilic acid with molecular oxygen (1034) 207
Marassi, R., see Zamponi, S. (1034) 294
Mayhew, E., see Asch, H.L. (1034) 303
Menabo, R., see Siliprandi, N. (1034) 17
Mevasser, R., see Mamet, R. (1034) 148
Miwa, N., Mizuno, S. and Suitani, Y.
Tumor growth-inhibitory glycoprotein secreted from the mouse brain at terminal stage of the ontogeny: molecular homogeneity and requirement of the retained protein conformation for exhibition of the cytotoxic action (1034) 309
Mizuno, S., see Miwa, N. (1034) 309
Mizuno, T., see Kawagishi, H. (1034) 247
Mogensen, K., see Eid, P. (1034) 114
Mookerjea, S., see Randell, E. (1034) 281
Moore, M.R., see Spike, R.C. (1034) 1
Morand, O.H., Allen, L.-A.H., Zoeller, R.A. and Raetz, C.R.H.
A rapid selection for animal cell mutants with defective peroxisomes (1034) 132
Moretto, V., see Toniolo, C. (1034) 67
Morse II, P.D., Ruuge, E.K., Petro, M.J. and Swartz, H.M.
Analysis of the reduction of nitroxides by flavin mononucleotide (1034) 298
Moss, J., see Noda, M. (1034) 195
Murakami, M., see Seo, Y. (1034) 142

Nagpurkar, A., see Randell, E. (1034) 281
Nakayama, R., see Kobayashi, R. (1034) 4
Napoli, J.L. and Race, K.R.
Microsomes convert retinol and retinal into retinoic acid and interfere in the conversions catalyzed by cytosol (1034) 228
Ng, C.K., see Hey, N.J. (1034) 73
Niemann, J.C., see Rooney, R.D. (1034) 102
Nilsson, A. and Adler, L.
Purification and characterization of glycerol-3-phosphate dehydrogenase (NAD^+) in the salt-tolerant yeast *Debaryomyces hansenii* (1034) 180
Nishikimi, N., see Ohkubo, I. (1034) 152
Nista, A., see Chersi, A. (1034) 333
Niwa, M., see Ohkubo, I. (1034) 152
Noda, M., Tsai, S.-C., Adamik, R., Moss, J. and Vaughan, M.
Mechanism of cholera toxin activation by a guanine nucleotide-dependent 19 kDa protein (1034) 195
Nomura, A., see Kawagishi, H. (1034) 247

Oakes, B.W., see Hey, N.J. (1034) 73
Ockner, R.K., see Brandes, R. (1034) 53
Ohkubo, I., Niwa, M., Takashima, A., Nishikimi, N., Gasa, S. and Sasaki, M.
Human seminal plasma Zn-α_2-glycoprotein: Its purification and properties as compared with human plasma Zn-α_2-glycoprotein (1034) 152
Ohsaka, Y., see Kobayashi, R. (1034) 4
Ohta, A., see Kobayashi, R. (1034) 4
Okamura, N., see Tajima, Y. (1034) 326

Payne, A.P., see Spike, R.C. (1034) 1
Perry, J., see Deacon, R. (1034) 342
Petersen, N.S., see Rooney, R.D. (1034) 102
Pethig, R., see Burt, J.P.H. (1034) 93
Petro, M.J., see Morse II, P.D. (1034) 298
Pieralisi, G., see Siliprandi, N. (1034) 17
Pusztai, A., see Bardocz, S. (1034) 46
Pyne, S.G., see Manthey, M.K. (1034) 207

Race, K.R., see Napoli, J.L. (1034) 228
Raetz, C.R.H., see Morand, O.H. (1034) 132
Randell, E., Mookerjea, S. and Nagpurkar, A.
Binding of rat serum phosphorylcholine binding protein to platelets (1034) 281

Ripari, P., see Siliprandi, N. (1034) 17
Romano, T.F., see Chersi, A. (1034) 333
Rooney, R.D., Maffe, W., Niemann, J.C. and Petersen, N.S.
Heat shock induces a decrease in incorporation of 8-azidoadenosine 5′-triphosphate into a 42 kilodalton protein in *Drosophila* salivary glands (1034) 102
Roy, A.K., see Chatterjee, B. (1034) 162
Rucker, R.B., see Lien, Y.-H. (1034) 318
Ruuge, E.K., see Morse II, P.D. (1034) 298

Sacktor, B., see Takamoto, S. (1034) 22
Sadleir, J.W., see Jennings, G.T. (1034) 219
Saed, G.M., see El-Thaher, T.S. (1034) 157
Sakai, F., see Kobayashi, R. (1034) 4
Sakuragi, S., see Kobayashi, R. (1034) 4
Sampson, K.E., see Laursen, S.E. (1034) 118
Santucci, R., see Zamponi, S. (1034) 294
Sasaki, M., see Ohkubo, I. (1034) 152
Scharpé, S., see Hendriks, D. (1034) 86
Scheck, M., see Lien, Y.-H. (1034) 318
Scheit, K.H., see Wempe, F. (1034) 260
Schoenfeld, N., see Mamet, R. (1034) 148
Seino, Y., see Takamoto, S. (1034) 22
Seo, Y., Murakami, M. and Watari, H.
Measurement of intracellular Na in the rat salivary gland: a ^{23}Na-NMR study using double quantum filtering (1034) 142
Sezzi, M.L., see Chersi, A. (1034) 333
Shen, W.-C.
Acid-sensitive dissociation between poly(lysine) and histamine-modified poly(glutamate) as a model for drug-releasing from carriers in endosomes (1034) 122
Siliprandi, N., Di Lisa, F., Pieralisi, G., Ripari, P., Maccari, F., Menabo, R., Giamberardino, M.A. and Vecchiet, L.
Metabolic changes induced by maximal exercise in human subjects following L-carnitine administration (1034) 17
Smith, R.C. and Gore, J.Z.
2-Imidazolethiones protect ascorbic acid from oxidation induced by copper (1034) 263
Soute, B.A.M., Acher, F., Azerad, R. and Vermeer, C.
Vitamin K-dependent carboxylase: effect of ammonium sulfate on substrate carboxylation and on inhibition by stereospecific substrate analogs (1034) 11
Soute, B.A.M., see Buitenhuis, H.C. (1034) 170
Spike, R.C., Payne, A.P., Thompson, G.G. and Moore, M.R.
High-performance liquid chromatographic analyses of porphyrins in hamster Harderian glands (1034) 1
Stern, R., see Lien, Y.-H. (1034) 318
Stevenson, P.M., see Jennings, G.T. (1034) 219
Strøm, A.R., see Falkenberg, P. (1034) 253
Sugii, S. and Kozaki, S.
Hemagglutinating and binding properties of botulinum C2 toxin (1034) 176
Suitani, Y., see Miwa, N. (1034) 309
Sukharev, S.I., Bandrina, I.N., Barbul, A.I., Fedorova, L.I., Abidor, I.G. and Zelenin, A.V.
Electrofusion of fibroblasts on the porous membrane (1034) 125
Swartz, H.M., see Iannone, A. (1034) 285
Swartz, H.M., see Iannone, A. (1034) 290
Swartz, H.M., see Morse II, P.D. (1034) 298
Swartz, S.J., see Mandel, M.L. (1034) 239

Tajima, Y. and Okamura, N.
The enhancing effects of anion channel blockers on sperm activation by bicarbonate (1034) 326
Takamoto, S., Seino, Y., Sacktor, B. and Liang, C.T.
Effect of age on duodenal 1,25-dihydroxyvitamin D-3 receptors in Wistar rats (1034) 22
Takashima, A., see Ohkubo, I. (1034) 152
Tanaka, K., see Ito, M. (1034) 213
Tashima, Y., see Kobayashi, R. (1034) 4
Thompson, G.G., see Spike, R.C. (1034) 1
Tomasi, A., see Iannone, A. (1034) 285
Tomasi, A., see Iannone, A. (1034) 290
Toniolo, C., Crisma, M., Moretto, V., Freer, R.J. and Becker, E.L.
N^{α}-formylated and *tert*-butyloxycarbonylated Phe-(Leu-Phe)$_n$ and (Leu-Phe)$_n$ peptides as agonists and antagonists of the chemotactic formylpeptide receptor of the rabbit peritoneal neutrophil (1034) 67
Truscott, R.J.W., see Manthey, M.K. (1034) 207
Tsai, S.-C., see Noda, M. (1034) 195
Tu, Y., see Lebrun, E. (1034) 81

Uchida, K. and Kawakishi, S.
Highly site-specific oxygenation of 1-methylhistidine and its analogue with a copper (II)/ascorbate-dependent redox system (1034) 347

Vannini, V., see Iannone, A. (1034) 285
Vannini, V., see Iannone, A. (1034) 290
Van Rapenbusch, R., see Lebrun, E. (1034) 81
Van Sande, M., see Hendriks, D. (1034) 86
Vargas, J.L., Knecht, E., Hernández-Yago, J. and Grisolía, S.
Cooperation of lysosomes and inner mitochondrial membrane in the degradation of carbamoyl phosphate synthetase and other proteins (1034) 268
Vaughan, M., see Noda, M. (1034) 195
Vecchiet, L., see Siliprandi, N. (1034) 17
Vermeer, C., see Buitenhuis, H.C. (1034) 170
Vermeer, C., see Soute, B.A.M. (1034) 11

Wagner, S., see Wempe, F. (1034) 260
Wakizaka, A., see Kobayashi, R. (1034) 4
Wang, W., see Hendriks, D. (1034) 86
Watari, H., see Seo, Y. (1034) 142
Weigel, P.H., see Frost, S.J. (1034) 39
Wempe, F., Wagner, S., Kammer, H., Krauhs, E. and Scheit, K.H.
Seminalplasmin, the major basic protein of bull seminal plasma, is a secretory protein of the seminal vesicles (1034) 260
Whiteley, C.G., see Kapp, E.A. (1034) 29

Yamada, K., see Yoshimura, A. (1034) 107
Yamamoto, N., see Kanda, Y. (1034) 337
Yoshida, H., see Yoshimura, A. (1034) 107
Yoshimura, A., Kuwazuru, Y., Furukawa, T., Yoshida, H., Yamada, K. and Akiyama, S.-i.
Purification and tissue distribution of human thymidine phosphorylase; high expression in lymphocytes, reticulocytes and tumors (1034) 107
Yoshino, Y., see Kanda, Y. (1034) 337

Zamponi, S., Santucci, R., Brunori, M. and Marassi, R.
A spectroelectrochemical study of microperoxidase at bare and gold-plated RVC thin-layer electrodes (1034) 294
Zelenin, A.V., see Sukharev, S.I. (1034) 125
Zoeller, R.A., see Morand, O.H. (1034) 132